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CLAIMS

1. Solid composition for de-inking of recycling paper comprising at least one fatty acid that is partially saponified with at least one alkaline substance.

2. Composition as claimed in claim 1, wherein the degree of saponification of said
5 at least one fatty acid is from about 1 to about 90%.

3. Composition as claimed in claim 2, wherein the degree of saponification of said at least one fatty acid is from about 1 to about 30%.

4. Composition as claimed in claim 1, wherein said at least one alkaline substance is selected from organic amines.

10 5. Composition as claimed in claim 4, wherein said at least one alkaline substance is selected from amino alcohols.

6. Composition as claimed in claim 5, wherein said at least one alkaline substance is selected from the group consisting of monoethanol amine, diethanol amine and triethanol amine, and mixtures thereof.

15 7. Composition as claimed in claim 1, wherein said at least one fatty acid is selected from the group consisting of fatty acids having from 8 to 24 carbon atoms.

8. Composition as claimed in claim 1, further comprising at least one dispersant.

9. Composition as claimed in claim 8, wherein said at least one dispersant is selected from the group consisting of non-ionic surfactants.

20 10. Solid composition for de-inking of recycling paper comprising at least one fatty acid that is partially saponified with at least one alkaline substance, wherein the degree of saponification of said at least one fatty acid is from about 1 to about 30%.

11. Composition as claimed in claim 10, wherein said at least one alkaline substance is selected from the group consisting of monoethanol amine, diethanol amine and
25 triethanol amine, and mixtures thereof.

12. Solid composition for de-inking of recycling paper comprising at least one fatty acid that is partially saponified with at least one alkaline substance, wherein said at least one alkaline substance is selected from the group consisting of monoethanol amine, diethanol amine and triethanol amine, and mixtures thereof.

30 13. Composition as claimed in claim 12, wherein the degree of saponification of said at least one fatty acid is from about 1 to about 30%.

14. A process for preparing a solid composition for de-inking of recycling paper, comprising mixing at least one solid fatty acid and at least one solid alkaline substance in an amount sufficient for partially saponify said at least one fatty acid.

35 15. A process as claimed in claim 14, wherein said at least one alkaline substance is added in an amount sufficient for saponify said at least one fatty acid to a degree of from about 1 to about 30%.

16. A process as claimed in claim 14, wherein said at least one alkaline substance is selected from the group consisting of monoethanol amine, diethanol amine and triethanol amine, and mixtures thereof.

5 17. A process for de-inking of recycling paper, comprising the steps of preparing an aqueous fatty acid emulsion or dispersion from water and a solid composition comprising at least one fatty acid that is partially saponified with at least one alkaline substance, and adding the obtained emulsion or dispersion to the recycling paper or to the water forming an aqueous fibre stock suspension thereof.

10 18. A process as claimed in claim 17, wherein the degree of saponification of said at least one fatty acid is from about 1 to about 30%.

19. A process for de-inking of recycling paper, comprising a step of adding a solid composition comprising at least one fatty acid that is partially saponified with at least one alkaline substance, directly to the recycling paper or to the water forming an aqueous fibre stock suspension thereof.

15 20. A process as claimed in claim 19, wherein the degree of saponification of said at least one fatty acid is from about 1 to about 30%.